

TABLE 1

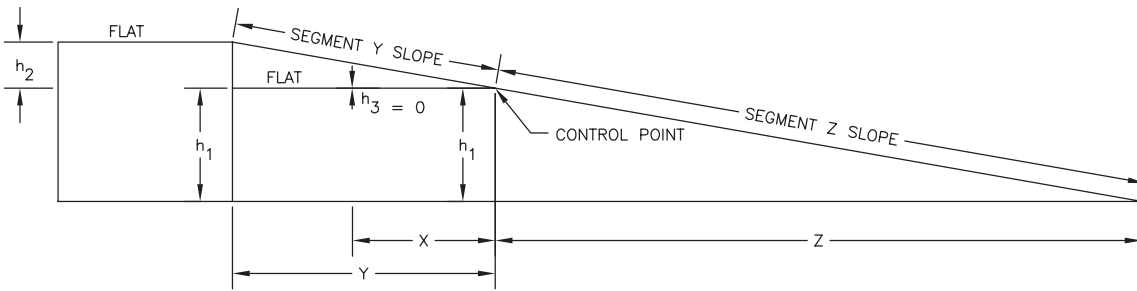
	SLOPE IN %	SEGMENT Z	(h <sub>1</sub> )	SEGMENT Y	(h <sub>2</sub> )
WALK WHEN SLOPE IS LESS THAN 5% (PATH IS CONSIDERED A WALK)	4.0	50	(2.0)	12.5'	(.5) *
	5.0	40	(2.0)	10.5'	(.5) **
RAMP ANY SLOPE OVER 5% (THE WALKWAY IS CONSIDERED A RAMP AND NEEDS TO MEET GUIDELINES)	6.0	33	(2.0)	10.5'	(.5)
	7.0	29	(2.0)	10.5'	(.5)
	8.0	25	(2.0)	10.5'	(.5)

TABLE 2

SLOPE IN %	SEGMENT X	(h <sub>3</sub> )	SLOPE
4.0	4'6"	0	0***
5.0	4'6"	0	0
6.0	4'6"	0	0
7.0	4'6"	0	0
8.0	4'6"	0	0

\* MIN LENGTH – NOT SHOWN ON DRAWING  
 \*\* LENGTH SET BY DESIGN  
 \*\*\* SLOPE IS SET AT ZERO FOR SIMPLICITY

h<sub>1</sub> CORRESPONDS TO SEGMENT Z  
 h<sub>2</sub> CORRESPONDS TO SEGMENT Y  
 h<sub>3</sub> CORRESPONDS TO SEGMENT X



DOUBLE RAMP SLOPE

$$\frac{h}{L} = \text{SLOPE \%}$$

$$h = 2.5'$$

$$Y + Z = \frac{2.5}{\text{SLOPE}}$$

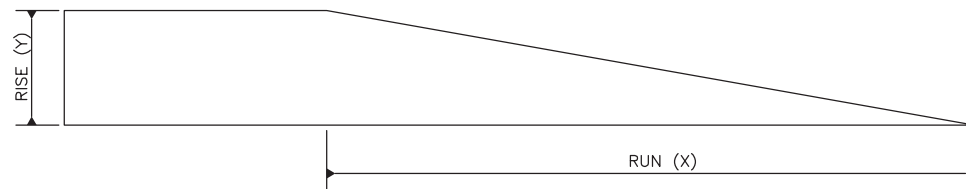
$$X + Z = L$$

$$\frac{2.5}{\text{SLOPE}} = L$$

$$h_1 + h_2 = 2.5'$$

$$h_2 = 0.5'$$

$$h_3 = 0$$



(EXAMPLE: IF Y=1'-0" AND X=12'-0", THE SLOPE = 1:12 OR IF Y=2'-0" AND X=24'-0", THE SLOPE =1:12)

SINGLE RAMP SLOPE

**Copies of these drawings have been distributed for review. Final approval and signature are pending.**

**DRAFT**

These files are public property and are not for resale. Users of these files are presumed to be professional personnel adequately trained to interpret and adopt them according to local conditions and current and applicable State and local codes. The user assumes all liability for the suitability of their use.

UNLESS OTHERWISE SPECIFIED	DATE	REVISION	BY
TOLERANCES: FRACTIONS +/- _____ DECIMALS +/- _____ ANGLES +/- _____ DIMENSIONS ARE IN INCHES BREAK SHARP EDGES		U. S. DEPT. OF AGRICULTURE FOREST SERVICE TECHNOLOGY & DEVELOPMENT CENTER MISSOULA, MONTANA	
DRAWN D.MUCCI		TITLE	
DESIGNED S.ORAVETZ		ACCESSIBLE BOAT RAMP	
CHECKED S.ORAVETZ		FOR DRY LAND LOADING & UNLOADING	
APPROVED S.ORAVETZ			
SCALE FULL	979-8.DWG		
DATE JAN 2000	SHEET 8 OF 8	MTDC- 979	